OIPE

```
PATENT APPLICATION: US/09/846,512
                                                             TIME: 13:26:22
                     Input Set : A:\10448-046002.TXT
                     Output Set: N:\CRF3\05162001\1846512.raw
      4 <110> APPLICANT: Meyers, Rachel A.
              MacBeth, Kyle J.
      7 <120> TITLE OF INVENTION: 14094, A NOVEL TRYPSIN FAMILY MEMBER AND
              USES THEREFOR
     10 <130> FILE REFERENCE: 10448-046002
                                                                                  ENTERED
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/846,512
C--> 12 <141> CURRENT FILING DATE: 2001-05-01
     12 <150> PRIOR APPLICATION NUMBER: US 09/633,300
     13 <151> PRIOR FILING DATE: 2000-08-08
     15 <150> PRIOR APPLICATION NUMBER: US 60/200,621
     16 <151> PRIOR FILING DATE: 2000-04-28
     18 <160> NUMBER OF SEQ ID NOS: 13
     20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
     22 <210> SEQ ID NO: 1
     23 <211> LENGTH: 2948
     24 <212> TYPE: DNA
     25 <213> ORGANISM: Homo sapiens
     27 <220> FEATURE:
     28 <221> NAME/KEY: CDS
     29 <222> LOCATION: (628)...(1986)
     31 <221> NAME/KEY: misc_feature
     32 <222> LOCATION: (1)...(2948)
     33 <223> OTHER INFORMATION: n = A, T, C or G
     35 <400> SEQUENCE: 1
W--> 36 aagagttgca tatcgcctcc catcaacaaa ctttccntgt atttccanac aatgtattt
     37 gtttgtcaaa tccagttttc ttgtaaacat tggggggtaa ataacagagg tggcttatga
     38 gtatttette cagggtaaaa agcaaaagaa tteeggtttt etgtateett tteaettaet
     39 gttacccact ttgcctcgtc ttcaccctgt ccaaacaccg gtctccaatt tgcccttcag
                                                                             240
     40 agaacttaag tcaaggagag ttgaaattca caggccaggg cacatctttt atttattca
     41 ttatgttggc caacagaact tgattgtaaa taataataaa gaaatctgtt atatactttc
     42 caaactccaa aaaaaaaccg gaattcagcc tggttaagtc caagctgaat tccgggtggg
     43 ggaaggaccg ggcaccggac ggctcgggta ctttcgttct taattaggtc atgcccgtat
     44 gagccaggaa agggctgtgt ttatgggaag ccagtaacac tgtggcctac tatctcttcc
                                                                             540
     45 gtggtgccat ctacattttt gggactcggg aattatgagg tagaggtgga ggcggagccg
                                                                             600
     46 gatgtcagag gtcctgaaat agtcacc atg ggg gaa aat gat ccg cct gct gtt
     47
                                    Met Gly Glu Asn Asp Pro Pro Ala Val
     48
     50 gaa gcc ccc ttc tca ttc cga tcg ctt ttt ggc ctt gat gat ttg aaa
                                                                             702
     51 Glu Ala Pro Phe Ser Phe Arg Ser Leu Phe Gly Leu Asp Asp Leu Lys
                            15
                                                 20
     54 ata agt cet gtt gca cea gat gca gat gct gtt gct gca cag atc ctg
                                                                             750
     55 Ile Ser Pro Val Ala Pro Asp Ala Asp Ala Val Ala Ala Gln Ile Leu
                         30
     58 toa ctg ctg cca ttg aag ttt ttt cca atc atc gtc att ggg atc att
     59 Ser Leu Leu Pro Leu Lys Phe Phe Pro Ile Ile Val Ile Gly Ile Ile
    60
                    45
                                         50
    62 gca ttg ata tta gca ctg gcc att ggt ctg ggc atc cac ttc gac tgc
                                                                             846
```

DATE: 05/16/2001

RAW SEQUENCE LISTING

RAW SEQUENCE LISTING DATE: 05/16/2001 PATENT APPLICATION: US/09/846,512 TIME: 13:26:22

Input Set : A:\10448-046002.TXT
Output Set: N:\CRF3\05162001\I846512.raw

63 64	Ala	Leu	Ile 60	Leu	Ala	Leu	Ala	Ile 65	Gly	Leu	Gly	Ile	His 70	Phe	Asp	Cys	
66	tca	aaa	aaσ	tac	aga	tat	cac	t.ca	tee	titit	ааσ	tat	atc	σασ	cta	ata	894
	Ser											_			_		0,7.1
68	DCI		шуз	1 y 1	Arg	Cys		Der	261	rne	цуз	_	116	GIU	пеп	116	
		.75					80					85					
70	gct	cga	tgt	gac	gga	gtc	tcg	gat	tgc	aaa	gac	ggg	gag	gac	gag	tac	942
71	Ala	Arg	Cys	Asp	Gly	Val	Ser	Asp	Cys	Lys	Asp	Gly	Glu	Asp	Glu	Tyr	
72	90					95					100	_		_		105	
74	cgc	tat	atc	caa	ata	aat	aat	сад	aat	acc	ata	ctc	car	ata	ttc		990 .
75	Arg	Cvc	1/2 l	722	Val	C1.22	C117	Cln	Acn	712	y c y	Tan	Cla	y - 9	Dho	mb m	, ,,,
	Arg	Cys	Val	ALG		GIY	GIY	GIII	ASII		val	ьeu	GIII	Val		TIII	
76					110					115					120		
78	gct	gct	tcg	tgg	aag	acc	atg	tgc	tcc	gat	gac	tgg	aag	ggt	cac	tac	1038
79	Ala	Ala	Ser	\mathtt{Trp}	Lys	Thr	Met	Cys	Ser	Asp	Asp	Trp	Lys	Gly	His	Tyr	
80				125					130				_	135			
82	gca	aat	att	qcc	tat	acc	caa	cta	aat	ttc	cca	age	tat	ata	agt	tca	1086
	Ala																1000
84		11011	140	1114	Cys	niu	0111	145	Gry	riic	110	261		Vai	261	261	
													150				
00	gat	aac	ete	aga	gtg	age	tċġ	ctg	gag	ggg	cag	ttc	cgg	gag	gag	ttt	1134
87	Asp	Asn	Leu	Arg	Val	Ser	Ser	Leu	Glu	Gly	Gln	Phe	Arg	Glu	Glu	Phe	
88		155					160					165					
90	gtg	tcc	atc	gat	cac	ctc	ttg	cca	gat	gac	aaq	ata	act	qca	tta	cac	1182
91	Val	Ser	Ile	Āsp	His	Leu	Leu	Pro	Āsp	Asp	Lvs	Vaĺ	Thr	Αla	Leu	His	
	170					175			F	F	180					185	
		tas	σ±=	t a t	ata		252	~~~	+ ~+	~~~		~~~	~~~	~+~	~++		1220
	cac																1230
	His	ser	vai	TAT		Arg.	GIU	GIY	Cys		ser	GIY	HIS	vaı		Thr	
96					190					195					200		
98	ttg	cag	tgc	aca	gcc	tgt	ggt	cat	aga	agg	ggc	tac	agc	tca	cgc	atc	1278
99	Leu	Gln	Cys	Thr	Ala	Cys	Gly	His	Arg	Arg	Gly	Tyr	Ser	Ser	Arg	Ile	
100)			205	i				210)				215	5		
102	gtg	ggt	gga	aac	atg	tcc	tto	cto	tco	cac	ı tac	r cc	t q	cac	a dec	agc	1326
103	Val	Gĺv	Glv	Asn	Met	Ser	Lei	Leu	Ser	Glr	Trr	Pro) Trr	Glr	Αĺε	Ser	
104		1	220					225					230				
					~~~	. +				. ~~							1274
																ccc	1374
				e Gin	. Сту	Tyr			ı Cys	GTA	GLY			. 116	Thr	Pro	
108		235					240					245					
110	ctg	tgg	ato	ato	act	gct	gca	cac	: tgt	gtt	: tat	gad	ttg	tac	cto	ccc	1422
111	. Leu	Trp	) Ile	: Ile	Thr	Ala	Ala	His	Cys	: Val	. Tyr	Asp	Leu	Tyr	Leu	Pro	
	250					255			_		260			-		265	
114	aaq	tca	t.aa	racc	ato	cao	ato	aat	cta	att	tcc	cto	1 ++0	raac	aat	cca	1470
115	Lvs	Ser	Trr	Thr	Tle	Gln	Val	73 TO	T.011	. Val	Ser	T.01	i Leu	λer	\ Acr	Pro	11,0
116		001	111	, 1111	270		· vai	. Gly	пес	275		пес	пес	ASE			
															280		
110	gee	- cca	Lec	cac	ttg	grg	gag	aag	att	gto	tac	cac	ago	aag	, tac	aag	1518
		Pro	Ser			Val	GLu	Lys			. Tyr	His	Ser			Lys	
120				285					290					295			
122	cca	aag	agg	ctg	ggc	aat	gac	ato	gcc	ctt	atq	aad	, ctq	geo	ggq	cca	1566
																Pro	
124		•	300		4			305				-4 -	310		I		
		aco			gaa	ato	ato			ata	r tac	cto			. tot	gaa	1614
																	1014
14/	⊔⊂u	T 11T	File	MOII	GIU	met	тте	וונט	PIC	val	. cys	י ההו	LPIC	ASD	ser	Glu	

RAW SEQUENCE LISTING DATE: 05/16/2001 PATENT APPLICATION: US/09/846,512 TIME: 13:26:22

Input Set : A:\10448-046002.TXT

Output Set: N:\CRF3\05162001\1846512.raw

128	315 320 325												
	gag aac ttc ccc gat gga aaa gtg tgc tgg acg tca gga tgg ggg gcc	1662											
	Glu Asn Phe Pro Asp Gly Lys Val Cys Trp Thr Ser Gly Trp Gly Ala												
	330 335 340 349												
134	aca gag gat gga ggt gac gcc tcc cct gtc ctg aac cac gcg gcc gtc	2 1710											
	Thr Glu Asp Gly Gly Asp Ala Ser Pro Val Leu Asn His Ala Ala Val												
136	350 355 360												
138	cet ttg att tee aac aag ate tge aac eac agg gae gtg tae ggt gge	1758											
139	Pro Leu Ile Ser Asn Lys Ile Cys Asn His Arg Asp Val Tyr Gly Gly	7											
140	365 370 375												
142	atc atc tcc ccc tcc atg ctc tgc gcg ggc tac ctg acg ggt ggc gtc	1806											
143	Ile Ile Ser Pro Ser Met Leu Cys Ala Gly Tyr Leu Thr Gly Gly Val	L											
144	380 385 390	•											
146	gac ago tgo cag ggg gac ago ggg ggg coo ctg gtg tgt caa gag ago	1854											
	Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Gln Glu Arg	J											
148													
	agg ctg tgg aag tta gtg gga gcg acc agc ttt ggc atc ggc tgc gca												
	Arg Leu Trp Lys Leu Val Gly Ala Thr Ser Phe Gly Ile Gly Cys Ala												
	410 415 420 425	-											
	gag gtg aac aag cet ggg gtg tac acc cgt gtc acc tec tte etg gad												
	Glu Val Asn Lys Pro Gly Val Tyr Thr Arg Val Thr Ser Phe Leu Asp	)											
156	430 435 440												
	tgg atc cac gag cag atg gag aga gac cta aaa acc tgaaaaggaa	1996											
160	Trp Ile His Glu Gln Met Glu Arg Asp Leu Lys Thr												
163	ggggacaagt agccacctga gttcctgagg tgatgaagac agcccgatcc tcccctgg tcccgtgtag gaacctgcac acgagcagac accettggag ctctgagttc cggcacca	gac 2056											
164	ageaggeeeg aaagaggeae eetteeatet gatteeagea caacetteaa getgetti	ngt 2116 ctt 2176											
165	gttttttgtt tttttgagat ggagtctcgc tctgttgccc aggetggagt gcagtgg	ga 2236											
166	aatcoctgot cactgoagec toogettooc tggttoaage gattotottg cotoaget	tc 2296											
167	cocagtaget gggaccacag gtgcccgcca ccacacccaa ctaatttttg tatttta	igt 2356											
	agagacaggg tttcaccatg ttggccagge tgctctcaaa cccctgacct caaatgat												
169	gcctgcttca gcctcccaca gtgctgggat tacaggcatg ggccaccacg cctagcct	ca 2476											
	cgctcctttc tgatcttcac taagaacaaa agaagcagca acttgcaagg gcggcctt												
	ccactggtcc atctggtttt ctctccaggg gtcttgcaaa attcctgacg agataagc												
	ttatgtgacc tcacgtgcaa agccaccaac agccactcag aaaagacgca ccagcca												
	agtgcagaac tgcagtcact gcacgttttc atctctaggg accagaacca aacccacc												
174	ttctacttcc aagacttatt ttcacatgtg gggaggttaa tctaggaatg actcgttt	aa 2776											
	ggcctatttt catgatttct ttgtagcatt tggtgcttga cgtattattg tcctttga												
176	ccaaataata tgtttccttc cctcatwraa maaaaaaaaa aaaaaaaarr rmrrssgo	ta 2896											
177	vavmarktta gagaaaaaac ctacccacrc cttccccctg aamctraaam ya	2948											
	<210> SEQ ID NO: 2												
180	<211> LENGTH: 453												
	<212> TYPE: PRT												
182	2 <213> ORGANISM: Homo sapiens												
	84 <400> SEQUENCE: 2												
185	Met Gly Glu Asn Asp Pro Pro Ala Val Glu Ala Pro Phe Ser Phe Arg	ŗ											
186	1 5 10 15												
187	Ser Leu Phe Gly Leu Asp Asp Leu Lys Ile Ser Pro Val Ala Pro Asp	)											

RAW SEQUENCE LISTING DATE: 05/16/2001 PATENT APPLICATION: US/09/846,512 TIME: 13:26:22

Input Set : A:\10448-046002.TXT
Output Set: N:\CRF3\05162001\1846512.raw

188				20					25					20		
		Asp	Δla		Δla	Δla	Gln	т10		C0*	. T 0.1	Τ	Dwa	30	<b>T</b>	D1
190	)		35	, 41	nia	niu	GIII	40	цец	ser	Leu	Leu	45	Leu	ьys	Pne
		Pro		Tile	Val	Tla	G1 v		Tlo	λ15	T OU	т1 а		<b>7</b> 1 -	T	31-
192	!	50			, , , ,	110	55	116	110	нта	Leu	60	Leu	Ald	Leu	Ala
		Gly	Leu	Glv	Tle	Hic		Aen	Cvc	Sor	C1,,	Trra	П	7	O	3
194	65	011		Ory	110	70	riie	изр	Cys	ser	75	ьуѕ	туг	Arg	Cys	
		Ser	Phe	Lvc	Cvc		C1.	Lou	т1.	7.1.		<b>7</b>	<b>3</b>	<b>G1</b>	**- 1	80
196		501	1	L, 5	85	116	Giu	Leu	TIE	90	Arg	cys	Asp	GTĀ		Ser
		Cys	Lvs	Δen		Glu	λcn	C1	Пттъ		C	17- 1	3	17- 7	95	
198	p	010	_10	100	011	Oru	нар	GLu	105		Cys	vaı	Arg		GIA	GTA
		Asn	Δla			C1n	W-1	Dho			31.	0	m	110	m1	
200	01	11511	115	Val	Leu	GTII	vai	120		Ald	Ala	ser		гÀг	Thr	Met
		Ser		Aen	Ψrn	Luc	C111			71.	2	17 1	125	~		
202	910	130			шр	цуз	135	птэ	TÄT	Ата	ASII		Ala	Cys	Ата	GIn
		Gly			Sar	Ttrr			Com	3	7	140		** 1		_
204	145	O.J.	1 110	110	261	150	vaı	ser	ser	ASP			Arg	vaı	Ser	
		Glu	Glv	Gln	Dho		Clu	C1.,	Dho	37-1	155			** * .	-	160
206	200	Oru	017	OIII	165	AL 9	Gru	GIU	Pne		ser	11e	Asp	HIS		Leu
	Pro	Agn	Δen	T.37 C		Thr	λ1 ¬	T 011	uia	170	C	17- 1	m	77. 1	175	~ 1
208	110	Asp	пор	180	Val	1111	нла	ьеи	185	nis	ser	vaı	Tyr		Arg	GLu
	Glv	Cys	Δla		Clv	шic	V- 1	17-1		T 0	C1-	C	ml	190	_	~ 1
210	011	0,0	195	Der	Gry	1112	val	200	1111	ьeu	GIII	Cys		Ala	Cys	GLĀ
	His	Δrσ		Glv	Tur	Sor	Cor		т1.	17-1	01	01	205	30.1	_	_
212		Arg 210	nr 9	GLY	- Y -	261	215	Arg	ite	Val	GTĀ		Asn	met	Ser	Leu
	Len	Ser	Gln	Trn	Dro	Trn		71-	Com	т о	C1	220	<b>01</b>	<b>a</b> 1	_	
214	225	501	0111	пр	110	230	GIII	нта	ser	ьeu		Pne	GIn	GTĀ	Tyr	
	-	Cys	Glv	Glv	Ser		Tlo	Thr	Dro	Tan	235	т1 -	T1 -	m 1		240
216		0,15		OL,	245	Vai	116	1111	PIO	250	тър	ire	тте	Thr		Ата
	His	Cys	Va 1	Ψvr		Τ.Δ.1	መ፣ታም	T OU	Dro		Con	m	m 1	+1.	255	**- 7
218		0,15	- ω -	260	пор	пец	ıyı	ьец	265	rys	ser	ттр	Thr		GIn	vaı
	Glv	Leu	Va l		T.e.11	T.011	Δen	λen		7 1 n	Dro	Com	11: ~	270	17- 1	<b>01</b>
220	1		275	001	Dea	шсц	пэр	280	FIO	ALG	PIO	ser		Leu	vaı	GIU
	Lvs	Ile		Tur	Hic	Ser	Lare		T v/C	Dro	T	7 ~~	285	<b>a</b> 1		
222		290		-1-		561	295	TYL	цуз	FLO	пур	300	Leu	GIY	ASII	Asp
223	Ile	Ala	Leu	Met	Lvs	Leu		Glv	Pro	Τ.Δ11	Thr	Dho	λan	C1	Mot	T1.
224	305				_10	310	·····	Ory	110	Leu	315		ASII	GIU	Met	
225		Pro	Val	Cvs	Leu		Δsn	Ser	Glu	Glu	y an	Dha	Dro	7.00	C1	320
226				0,2	325		11011	OCI	Gru	330	Maii	rne	PIO	ASP	335	ьуs
227	Val	Cys	Trp	Thr		Glv	Ψrn	G1v	Δla	mhr.	Clu	λαη	C1.	C1	333	7.1.
228		-1-	<i>F</i>	340	-			OLY	345	1111	GIU	ASP	GTÅ	350	ASP	Ala
229	Ser	Pro	Val		Asn	His	Δla	Δla		Pro	Lou	т1.	cor	330	T	T1 =
230			355			*****	1114	360	Val	FIU	neu	116	365	ASII	гуз	rre
	Cvs	Asn		Ara	Asn	Va l	Tur		Glv	Tlo	т10	cor	202	Com	W-+	T
232		370		5		• • •	375	GLY	GLY	116	116	380	PIO	ser	мец	Leu
	Cys	Ala	Glv	Tvr	Len	Thr		Glv	Val	Δen	Sor	200	C1 ~	C1	<b>7</b> ~~	C
234	385		1	-1-	u	390	- Y	OLY	, at	nap	395	CYS	GIII	ату	ASP	
		Gly	Pro	Leu			Gln	Glu	λra	λrσ		m-r-	T	т о	37 n 1	400
236	1	1		u	405	Cys	0111	GIU	AT A	410	ьеи	тъ	пλя	Leu		GTA
					403					410					415	

DATE: 05/16/2001

TIME: 13:26:22

Input Set : A:\10448-046002.TXT Output Set: N:\CRF3\05162001\1846512.raw 237 Ala Thr Ser Phe Gly Ile Gly Cys Ala Glu Val Asn Lys Pro Gly Val 425 239 Tyr Thr Arg Val Thr Ser Phe Leu Asp Trp Ile His Glu Gln Met Glu 240 435 440 241 Arg Asp Leu Lys Thr 450 242 244 <210> SEQ ID NO: 3 245 <211> LENGTH: 1362 246 <212> TYPE: DNA 247 <213> ORGANISM: Homo sapiens 249 <400> SEQUENCE: 3 250 atgggggaaa atgatccgcc tgctgttgaa gcccccttct cattccgatc gctttttggc 60 251 cttgatgatt tgaaaataag tcctgttgca ccagatgcag atqctgttqc tgcacaqatc 120 252 ctgtcactgc tgccattgaa gttttttcca atcatcgtca ttgggatcat tgcattgata 180 253 ttagcactgg ccattggtct gggcatccac ttcgactgct cagggaagta cagatgtcgc 240 254 tcatccttta agtgtatcga gctgatagct cgatgtgacg gagtctcgga ttgcaaagac 300 255 ggggaggacg agtaccgctg tgtccgggtg ggtggtcaga atgccgtgct ccaggtgttc 360 256 acagetgett egtggaagae eatgtgetee gatgaetgga agggteaeta egeaaatgtt 420 257 gcctgtgccc aactgggttt cccaagctat gtgagttcag ataacctcag agtgagctcg 480 258 ctggaggggc agttccggga ggagtttgtg tccatcgatc acctcttgcc agatgacaag 540 259 gtgactgcat tacaccactc agtatatgtg agggagggat gtgcctctgg ccacgtggtt 600 260 acettgeagt geacageetg tggteataga aggggetaca geteacgeat egtgggtgga 660 261 aacatgteet tgetetegea gtggeeetgg eaggeeagee tteagtteea gggetaceae 720 262 ctgtgcgggg gctctgtcat cacgcccctg tggatcatca ctgctgcaca ctgtgtttat 780 263 gacttgtacc tccccaagtc atggaccatc caggtgggtc tagtttccct gttggacaat 840 264 ccagccccat cccacttggt ggagaagatt gtctaccaca gcaagtacaa gccaaagagg 900 265 ctgggcaatg acatcgccct tatgaagctg gccgggccac tcacgttcaa tgaaatgatc 960 266 cagcetgtgt geetgeecaa etetgaagag aactteeceg atggaaaagt gtgetggaeg 1020 267 tcaggatggg gggccacaga ggatggaggt gacgcctccc ctgtcctgaa ccacgcggcc 1080 268 gtccctttga tttccaacaa gatctgcaac cacagggacg tgtacggtgg catcatctcc 1140 269 cectecatge tetgegeggg etacetgaeg ggtggegtgg acagetgeea gggggaeage 1200 270 ggggggcccc tggtgtgtca agagaggagg ctgtggaagt tagtgggagc gaccagcttt 1260 271 ggcatcggct gcgcagaggt gaacaagcct ggggtgtaca cccgtgtcac ctccttcctg 1320 272 gactggatcc acgagcagat ggagagagac ctaaaaacct ga 1362 274 <210> SEQ ID NO: 4 275 <211> LENGTH: 260 276 <212> TYPE: PRT 277 <213> ORGANISM: Artificial Sequence 279 <220> FEATURE: 280 <223> OTHER INFORMATION: consensus sequence 282 <400> SEQUENCE: 4 283 Ile Val Gly Gly Arg Glu Ala Gln Pro Gly Ser Phe Gly Ser Pro Trp 284 285 Gln Val Ser Leu Gln Val Arg Ser Gly Gly Gly Ser Arg Lys His Phe 20 25 287 Cys Gly Gly Ser Leu Ile Ser Glu Asn Trp Val Leu Thr Ala Ala His 35 40 289 Cys Val Ser Gly Ala Ala Ser Ala Pro Ala Ser Ser Val Arg Val Ser

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/846,512

## W/V

## Pleas Note:

Use of n and/or Xaa have been det ct d in the Sequence Listing. Please review the Sequence Listing to ensure that a c rresponding explanation is pres nted in the <220> to <223> fields of each sequence which presents at least ne n or Xaa.

VERIFICATION SUMMARYDATE: 05/16/2001PATENT APPLICATION: US/09/846,512TIME: 13:26:23

Input Set : A:\10448-046002.TXT

Output Set: N:\CRF3\05162001\I846512.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 L:426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 L:450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 L:467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11